



W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

**Work Order ID 85382**

June-07-12 9:24:27 AM

**\*85382\***

Page 2

**Item ID:** D412-698-041**Accept****Revision ID:****Item Name:** Hinge Panel Automatic Door Opener, LH (Standard)**Start Date:** 07/06/2012 **Start Qty:** 1.00 **\*1\*****Required Date:** 21/06/2012 **Req'd Qty:** 1.00 **\*1\*****Reference:****Approvals:** **Process Plan:****Date:****Tooling:****Date:****Run****Start****\*NR1\*****QC:****Date:****SPC (Y/N):****Date:****Stop****\*NR2\*****Sequence ID/  
Work Center ID****Operation  
Description**

130

**\*130\***

Packaging

Packaging

140

**\*140\***

QC

Quality Control

**Set Up/  
Run Hours****Tool ID****Tool #****Plan  
Code****Accept  
Qty****Reject  
Qty****Reject  
Number****Insp.  
Stamp**

**Memo** 0.00  
 Identify and pack for shipping as per PPP D412-698-041  
 Location: DNAP  
 PPP rev: DNAP

QC21- Final Inspection - Work Order Release

0.00

**Memo** 0.00

*130* *1*

*12/7/12*

*MF*  
*12-07-03*

W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE			By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action      Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

# Picklist Print

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Page 1

Work Order ID: 85382

\*85382\*

Parent Item: D412-698-041

\*D412-698-041\*

Parent Item Name: Hinge Panel Automatic Door Opener, LH (Standard)

Start Date: 07/06/2012

Required Date: 21/06/2012

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 11.08.18 new issue DD verf:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3552-21  *D3552-21* Door Prop		Manufactured	No			110	Each	3.0000	1	1			

Location	Loc Qty	Loc Code
ST272	3	
68168	1	
73948	2	

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3622-1  *D3622-1* Ball Stud		Manufactured	No			110	Each	36.0000	1	1			

Location	Loc Qty	Loc Code
ST058	36	
80405	1	
82072	35	

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4330-041  *D4330-041* Airframe Bracket Assembly, LH		Manufactured	No			110	Each	1.0000	1	1			

Location	Loc Qty	Loc Code
ST198	1	
73949	1	

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4330-3  *D4330-3* Door Bracket		Manufactured	No			110	Each	5.0000	1	1			

Location	Loc Qty	Loc Code
ST197	5	
73951	5	

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

# Picklist Print

June-07-12 9:24:46 AM

Page 2

Work Order ID: 85382

\*85382\*  
\*D412-698-041\*

Parent Item: D412-698-041

Parent Item Name: Hinge Panel Automatic Door Opener, LH (Standard)

Start Date: 07/06/2012

Required Date: 21/06/2012

Start Qty: 1.00

Required Qty: 1.00

MS21042L5

Purchased No 110 Each 1,389.000

\*MS21042L5\*  
Nut

1  
\*\*

v  
JB

SJ

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
-----------------	----------------	-----------------

300	500	
121652	500	
ST300	889	
108827	8	
116105	5	
116548	43	
117611	18	
119109	807	119109
17651	8	

NAS1149D0563J

Purchased No 110 Each 3,259.000

\*NAS1149D0563J\*  
Washer

1  
\*\*

JB 12/06/26

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
-----------------	----------------	-----------------

ST298	3259	
119546	1259	119546
121255	2000	

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS  
IIN-D412-698 REV. E OR LATER APPROVED REVISION

REF. TCCA STC: SH92-43

REF. FAA STC: SR01446NY

REF. EASA STC: EASA.IM.R.S.00709

REF. BRASIL STC: 2010S10-09

## 1.0 PURPOSE:

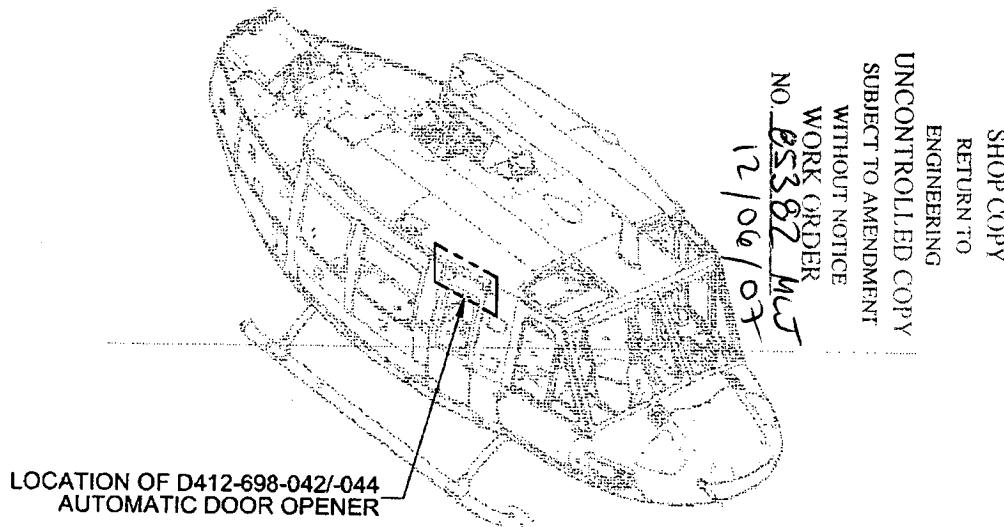
The purpose of this DSI is to add the optional automatic door opener kit for both the OEM aluminum (Bell P/N 205-031-423-005/-157/-006/-158) and Dart Spacedoor™(Dart P/N D412-694-03/-04) hinge panel doors.

## 2.0 DESCRIPTION:

The Dart D412-698-XXX Hinge Panel Automatic Door Opener Kit permits the installation of a gas spring between the hinge panel doors (or "quarter" doors) and the cabin ceiling to prevent the doors from closing while the occupants enter or exit the aircraft.

The D412-698-041 Hinge Panel Automatic Door Opener Kit installs on the LH side of the aircraft and the D412-698-042 Hinge Panel Automatic Door Opener Kit installs on the RH side of the aircraft. These kits are designed to mount onto the OEM aluminum door (Bell P/N 205-031-423-005/-157/-006/-158).

The D412-698-043 Hinge Panel Automatic Door Opener Kit installs on the LH side of the aircraft and the D412-698-044 Hinge Panel Automatic Door Opener Kit installs on the RH side of the aircraft. These kits are designed to mount onto the Dart Spacedoor™(Dart P/N D412-694-03/-04).



**FIGURE 1: LOCATION OF HINGE PANEL AUTOMATIC DOOR OPENER KITS**  
(RH Installation Shown, LH Opposite)

CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-O-01	
APPROVED BY: <u>MSP</u> D. SHEPHERD (DE # 02)	
DATE: CERT. NO.: ISSUE NO.:	12.01.20 SH92-43 5

B	ADDED NOTE TO TRIM EXISTING TRIM/CEILING PANELS: ITEMS 11/12 OF SECTIONS 3.0/4.0 (SHT 2/4); UPDATED FIGURE 3 ACCORDINGLY. REF: PAR11-150.		
A	NEW ISSUE		
REV.	DESCRIPTION		
DESIGN	<u>JPC</u>	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	<u>1</u>		
CHECKED	<u>JWJ</u>	DRAWING NO.	REV. B
MFG. APPR.	N/A	DSI 9548	SHEET 1 OF 8
APPROVED	<u>MSP</u>	TITLE	SCALE
DE APPR.	<u>MSP</u>	HINGE DOOR OPENER KIT	NTS
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### 3.0 INSTALLATION OF D412-698-041/-042 HINGE PANEL AUTOMATIC DOOR OPENER (OEM ALUMINUM DOOR):

**NOTE:** The following instructions are for a typical RH side installation. For installation on the LH side, substitute D4330-041 for D4330-042.

1. Remove any ceiling or trim panels located on the RH forward cabin ceiling. Remove existing door spring Bell p/n 205-030-303-101 and associated hardware.
2. Using Figures 2 and 3 and dimensions shown as reference, locate D4330-042 Airframe Bracket Assembly, RH on the intersection of the existing aircraft rivet lines. The angled part of D4330-042 Airframe Bracket Assembly, RH is required to pick up on a minimum of 3 rivets. The bracket may be hand formed as necessary to improve fit with the contoured ceiling.
3. Mark the location of D4330-3 Door Bracket on the Hinge Panel Door as shown in Figure 4.
4. Verify that the D3552-21 Gas Spring will close properly (0.25" travel before it is fully retracted) when the door is closed. Adjust the position of the D4330-042 Airframe Bracket Assembly, RH if required to maintain rivet edge distance.
5. Verify that the D3552-21 Gas Spring will open the door to the desired position. Ensure the Gas Spring does not interfere with the door or airframe. Adjust location of D4330-3 Door Bracket if required.  
**NOTE:** When the door is fully open, it should be approximately perpendicular to the aircraft.
6. Remove the 205-031-423-005/-157/-006/-158 aluminum door from the aircraft per the Aircraft Maintenance Manual.
7. Remove any existing rivets where the D4330-042 Airframe Bracket Assembly, RH and D4330-3 Door Bracket will be installed.
8. Locate D4330-042 Airframe Bracket Assembly, RH on the aircraft ceiling per Figure 3. Transfer drill #30 ( $\phi 0.129"$ ) holes from the ceiling to D4330-042. Deburr holes.
9. Locate D4330-3 Door Bracket on the hinge panel door per Figure 4. Using Figure 5 as a guide for the approximate locations of the mounting holes, transfer drill 3x #30 ( $\phi 0.129"$ ) holes from the door skin to D4330-3 and drill 2x additional holes at locations shown in Figure 5. Deburr holes.
10. Apply a thin layer of Proseal 890 (or equivalent) to faying surface of the D4330-042/-3 brackets. Install the D4330-042 Airframe Bracket Assembly, RH using CR3213-4 rivets as shown in Figure 3. Install D4330-3 Door Bracket using CR3213-4 rivets as shown in Figure 4.
11. Pre-install the ceiling or trim panels that were removed in Step 1 and transfer mark contour of D4330-041 or -042 as shown in Figure 3 (SHT 5). Remove ceiling or trim panels and perform cutout to clear D4330-041 or -042. Touch-up finish of ceiling or trim panels cutout area in accordance with aircraft maintenance manual and re-install any ceiling or trim panels.
12. Install a D3622-1 Ball Stud on the D4330-3 Door Bracket using hardware specified in Figure 4.
13. Re-install modified door on aircraft per Aircraft Maintenance Manual.
14. Install D3552-21 Gas Spring onto the D3622-1 Ball Studs per Figure 2.
15. Verify proper gas spring and door operation.

CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-O-01	
<b>APPROVED</b>	
BY:	<i>[Signature]</i>
D. SHEPHERD (DE # 02)	
DATE:	12.01.20
CERT. NO.:	SH92-43
ISSUE NO.:	5

DESIGN	DRAWN	DART AEROSPACE LTD	
CHECKED	MFG. APPR.	DRAWING NO.	REV. B
APPROVED	DE APPR.	DSI 9548	SHEET 2 OF 8
		TITLE	
		HINGE DOOR OPENER KIT	
DATE	12.01.17	SCALE NTS	
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28/3/2022

#### 4.0 INSTALLATION OF D412-698-043/-044 HINGE PANEL AUTOMATIC DOOR OPENER:

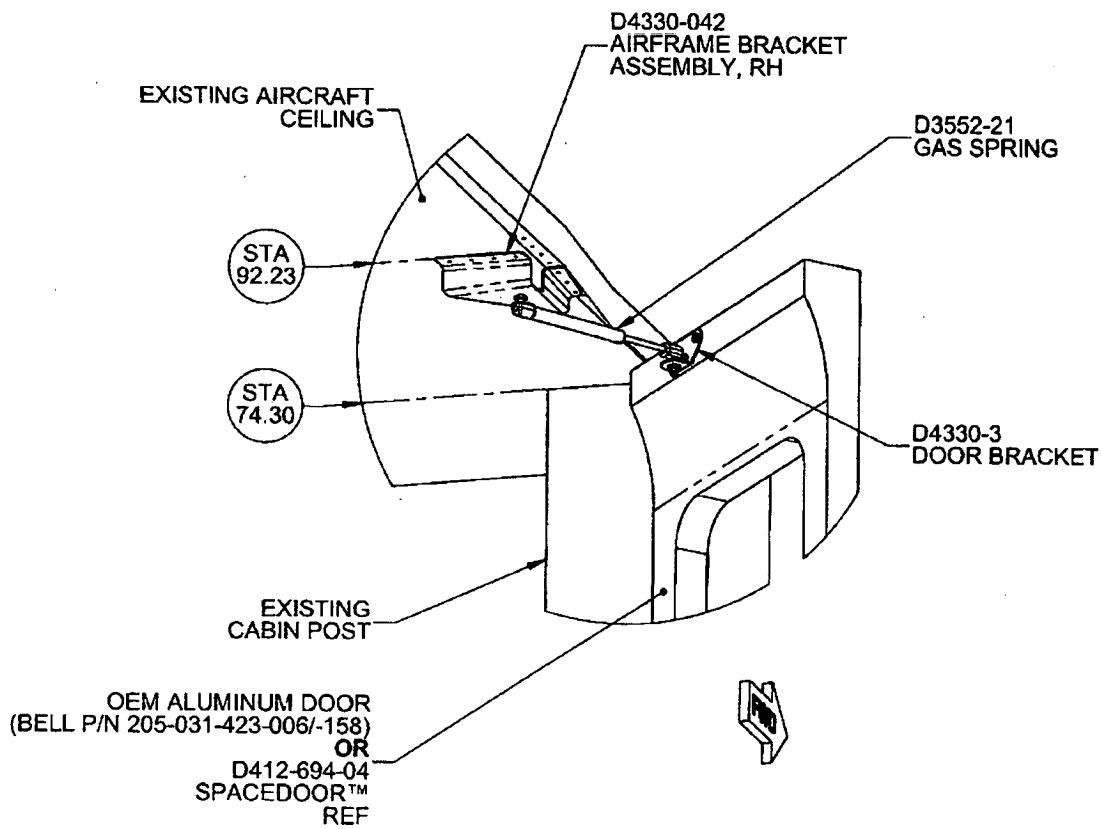
**NOTE:** The following instructions are for a typical RH side installation. For installation on the LH side, substitute D4330-041 for D4330-042.

1. Remove any ceiling or trim panels located on the RH forward cabin ceiling. Remove existing door spring Dart p/n D3113-1 and associated hardware.
2. Using Figures 2 and 3 and dimensions shown as reference, locate D4330-042 Airframe Bracket Assembly, RH on the intersection of the existing aircraft rivet lines. The angled part of D4330-042 Airframe Bracket Assembly, RH is required to pick up on a minimum of 3 rivets. The bracket may be hand formed as necessary to improve fit with the contoured ceiling.
3. Mark the location of D4330-3 Door Bracket on the Spacedoor™ as shown in Figure 6.
4. Verify that the D3552-21 Gas Spring will close properly (0.25" travel before it is fully retracted) when the door is closed. Adjust the position of the D4330-042 Airframe Bracket Assembly, RH if required to maintain rivet edge distance.
5. Verify that the D3552-21 Gas Spring will open the door to the desired position. Ensure the Gas Spring does not interfere with the door or airframe. Adjust location of D4330-3 Door Bracket if required.  
**NOTE:** When the door is fully open, it should be approximately perpendicular to the aircraft.
6. Remove the D412-694-03/-04 Door Assembly from the aircraft per ICA-D412-694 Section 52.1.
7. Remove any existing rivets where the D4330-042 Airframe Bracket Assembly, RH will be installed.
8. Locate D4330-042 Airframe Bracket Assembly, RH on the aircraft ceiling per Figure 3. Transfer drill #30 ( $\phi 0.129"$ ) holes from the ceiling to D4330-042. Deburr holes.
9. Locate D4330-3 Door Bracket on the Spacedoor™ per Figure 6. Using Figure 7 as a guide for the approximate locations of the mounting holes, drill 3x #7 ( $\phi 0.201"$ ) holes in D4330-3 and the inner door skin. Enlarge holes in Spacedoor™ inner skin to 9/16" ( $\phi 0.5625"$ ).
10. Install the 3x 80-005-2-8 inserts per Paragraph 3.2.12 of the BHT-MED-SRM at the locations drilled in Step 9 in the Spacedoor™ using Hysol EA934NA.
11. Apply a thin layer of Proseal 890 (or equivalent) to faying surface of the D4330-042/-3 brackets. Install the D4330-042 Airframe Bracket Assembly, RH using CR3213-4 rivets as shown in Figure 3. Install D4330-3 Door Bracket using hardware as shown in Figure 6.
12. Pre-install the ceiling or trim panels that were removed in Step 1 and transfer mark contour of D4330-041 or -042 as shown in Figure 3 (SHT 5). Remove ceiling or trim panels and perform cutout to clear D4330-041 or -042. Touch-up finish of ceiling or trim panels cutout area in accordance with aircraft maintenance manual and re-install any ceiling or trim panels. 
13. Install a D3622-1 Ball Stud on the D4330-3 Door Bracket using hardware specified in Figure 6.
14. Re-install modified door on aircraft per ICA-D412-694 Section 52.2.
15. Install D3552-21 Gas Spring onto the D3622-1 Ball Studs per Figure 2.
16. Verify proper gas spring and door operation.

CANADA	
DEPARTMENT OF TRANSPORT	
AIRCRAFT CERTIFICATION	
BRANCH	
DAO # 01-O-01	
<b>APPROVED</b>	
BY:	D. SHEPHERD (DE # 02)
DATE:	12.01.20
CERT. NO.:	SH92-43
ISSUE NO.:	5

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MFG. APPR.	N/A	DSI 9548	SHEET 3 OF 8
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DE APPR.		HINGE DOOR OPENER KIT	NTS
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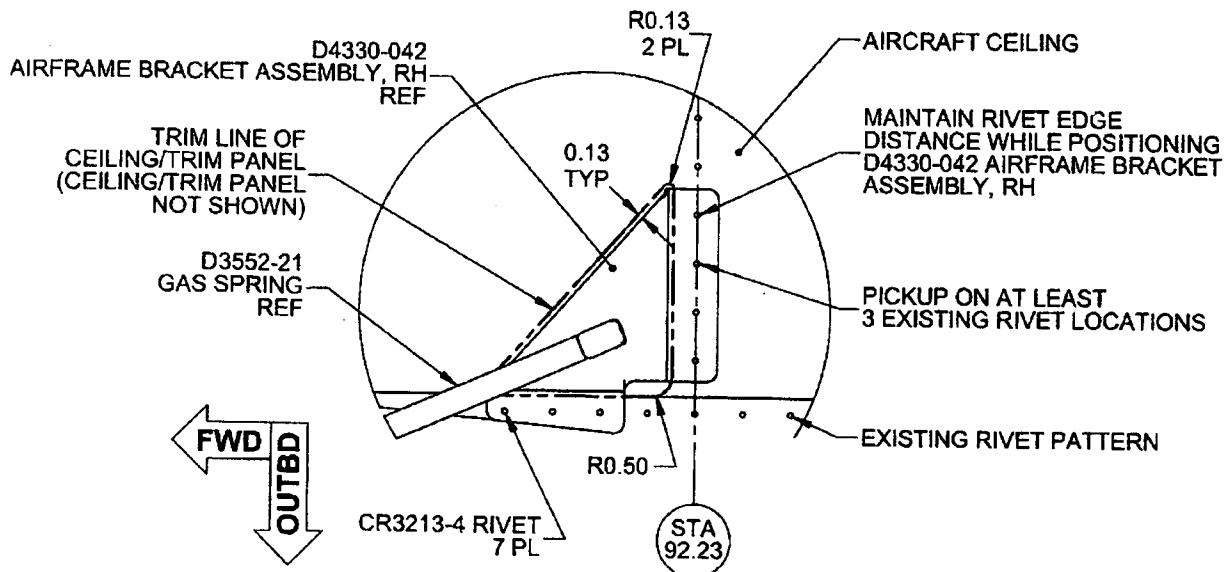
**FIGURE 2: INSTALLATION DETAIL**  
(RH Installation Shown, LH Opposite)

CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-O-01	
<b>APPROVED</b>	
BY:	D. SHEPHERD (DE # 02)
DATE:	12.01.20
CERT. NO.:	SH92-43
ISSUE NO.:	5

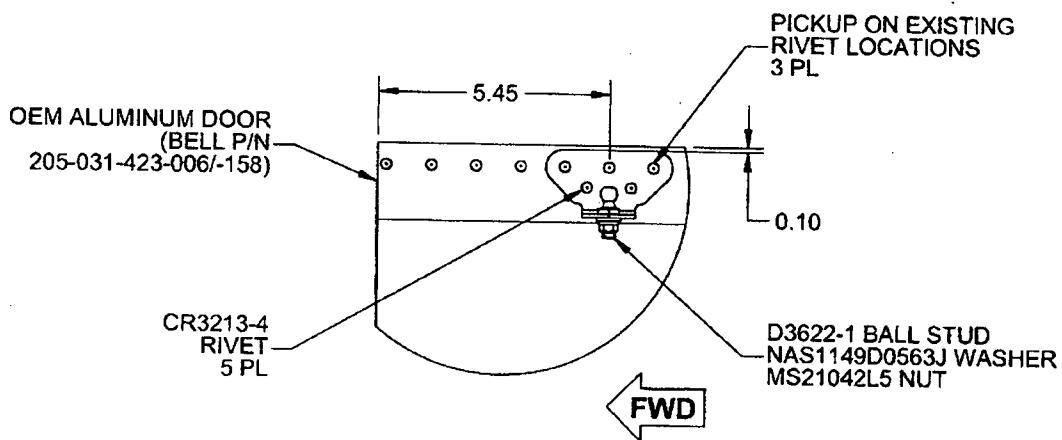
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DRAWN	<i>JMP</i>		
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APPROVED	<i>JK</i>	TITLE	SCALE
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**FIGURE 3: LOCATION OF D4330-042 AIRFRAME BRACKET ASSEMBLY**  
(RH Shown, LH Opposite)

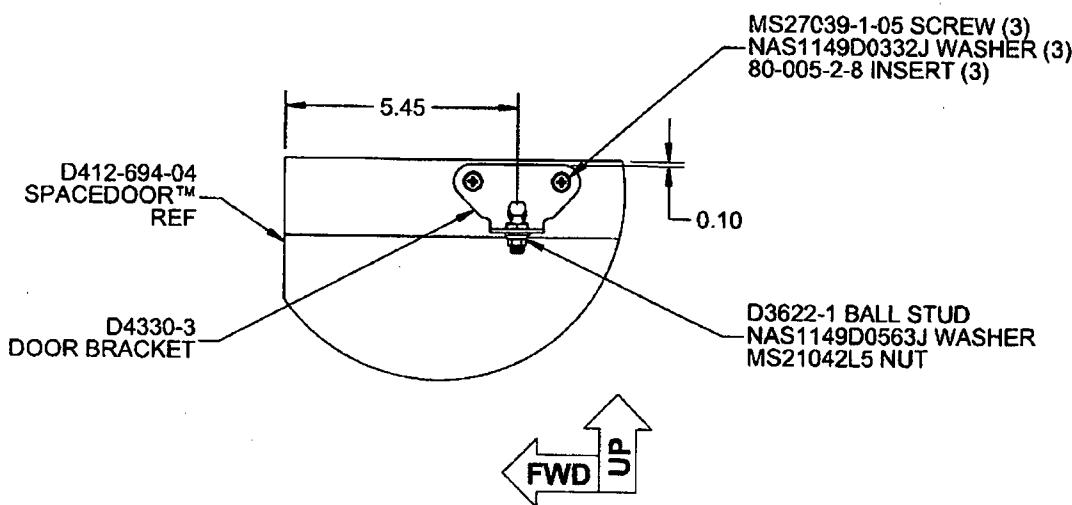


**FIGURE 4: LOCATION OF D4330-3 DOOR BRACKET (OEM ALUMINUM DOOR)**  
(RH Shown, LH Opposite)

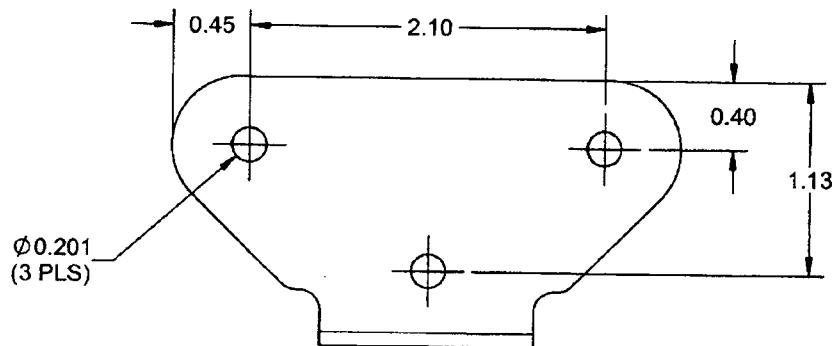
CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO #01-O-01	
APPROVED BY: D. SHEPHERD (DE #02)	
DATE: CERT. NO.: ISSUE NO.:	12.01.20 SH92-43 5

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CHECKED		DRAWING NO.	REV. B
MFG. APPR.	N/A	DSI 9548	SHEET 5 OF 8
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**FIGURE 6: LOCATION OF D4330-3 DOOR BRACKET (SPACEDOOR™)**  
(RH Shown, LH Opposite)



**FIGURE 7: LOCATION OF D4330-3 DOOR BRACKET MOUNTING HOLES (SPACEDOOR™)**

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<b>APPROVED</b>	
BY:	D. SHEPHERD (DE # 02)
DATE:	12.01.20
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ISSUE NO.:	5

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**5.0 WEIGHT & BALANCE:**

INSTALLATION	WEIGHT	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D412-698-041 LH (Standard)	0.23 lb 0.10 kg	-43.63 in -1.11 m	-10.03 in-lb -0.11 m-kg	86.27 in 2.19 m	19.84 in-lb 0.22 m-kg
D412-698-042 RH (Standard)	0.23 lb 0.10 kg	43.63 in 1.11 m	10.03 in-lb 0.11 m-kg	86.27 in 2.19 m	19.84 in-lb 0.22 m-kg
D412-698-043 LH (Spacedoor™)	0.23 lb 0.10 kg	-43.63 in -1.11 m	-10.03 in-lb -0.11 m-kg	86.27 in 2.19 m	19.84 in-lb 0.22 m-kg
D412-698-044 RH (Spacedoor™)	0.23 lb 0.10 kg	43.63 in 1.11 m	10.03 in-lb 0.11 m-kg	86.27 in 2.19 m	19.84 in-lb 0.22 m-kg

**6.0 PARTS LIST:**

Qty -041	Qty -042	Qty -043	Qty -044	Part Number	Description
X				D412-698-041	HINGE PANEL AUTOMATIC DOOR OPENER KIT, LH (STANDARD)
	X			D412-698-042	HINGE PANEL AUTOMATIC DOOR OPENER KIT, RH (STANDARD)
		X		D412-698-043	HINGE PANEL AUTOMATIC DOOR OPENER KIT, LH (SPACEDOOR™)
			X	D412-698-044	HINGE PANEL AUTOMATIC DOOR OPENER KIT, RH (SPACEDOOR™)
1	1	1	1	D3552-21	GAS SPRING
1	1	1	1	D3622-1	BALL STUD
1		1		D4330-041	AIRFRAME BRACKET ASSEMBLY, LH
	1		1	D4330-042	AIRFRAME BRACKET ASSEMBLY, RH
1	1	1	1	D4330-3	DOOR BRACKET
		3	3	80-005-2-8	INSERT
1	1	1	1	MS21042L5	NUT
		3	3	MS27039-1-05	SCREW
		3	3	NAS1149D0332J	WASHER
1	1	1	1	NAS1149D0563J	WASHER

CANADA	
DEPARTMENT OF TRANSPORT	
AIRCRAFT CERTIFICATION	
BRANCH	
DAO # 01-O-01	
APPROVED	
BY:	<u>D. SHEPHERD (DE #02)</u>
DATE:	12.01.20
CERT. NO.:	SH92-43
ISSUE NO.:	5

DESIGN	<u>DP</u>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
DRAWN	<u> </u>	
CHECKED	<u>JWD</u>	DRAWING NO. DSI 9548
MFG. APPR.	<u>N/A</u>	
APPROVED	<u>MSP</u>	REV. B SHEET 8 OF 8
DE APPR.	<u> </u>	
DATE	12.01.17	TITLE SCALE NTS HINGE DOOR OPENER KIT

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**5.0 WEIGHT & BALANCE:**

INSTALLATION	WEIGHT	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D412-698-041 LH (Standard)	0.23 lb 0.10 kg	-43.63 in -1.11 m	-10.03 in-lb -0.11 m-kg	86.27 in 2.19 m	19.84 in-lb 0.22 m-kg
D412-698-042 RH (Standard)	0.23 lb 0.10 kg	43.63 in 1.11 m	10.03 in-lb 0.11 m-kg	86.27 in 2.19 m	19.84 in-lb 0.22 m-kg
D412-698-043 LH (Spacedoor™)	0.23 lb 0.10 kg	-43.63 in -1.11 m	-10.03 in-lb -0.11 m-kg	86.27 in 2.19 m	19.84 in-lb 0.22 m-kg
D412-698-044 RH (Spacedoor™)	0.23 lb 0.10 kg	43.63 in 1.11 m	10.03 in-lb 0.11 m-kg	86.27 in 2.19 m	19.84 in-lb 0.22 m-kg

**6.0 PARTS LIST:**

Qty 041	Qty -042	Qty -043	Qty -044	Part Number	Description
X				D412-698-041	HINGE PANEL AUTOMATIC DOOR OPENER KIT, LH (STANDARD)
	X			D412-698-042	HINGE PANEL AUTOMATIC DOOR OPENER KIT, RH (STANDARD)
		X		D412-698-043	HINGE PANEL AUTOMATIC DOOR OPENER KIT, LH (SPACEDOOR™)
			X	D412-698-044	HINGE PANEL AUTOMATIC DOOR OPENER KIT, RH (SPACEDOOR™)
/1	1	1	1	D3552-21	GAS SPRING
/1	1	1	1	D3622-1	BALL STUD
/1		1		D4330-041	AIRFRAME BRACKET ASSEMBLY, LH
	1		1	D4330-042	AIRFRAME BRACKET ASSEMBLY, RH
/1	1	1	1	D4330-3	DOOR BRACKET
		3	3	80-005-2-8	INSERT
L1	-1	-1	-1	MS21042L5	NUT
	3	3		MS27039-1-05	SCREW
	-3	-3		NAS1149D0332J	WASHER
41	-1	-1	-1	NAS1149D0563J	WASHER

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-0-01

APPROVED  
  
BY:  
D. SHEPHERD (DE # 02)

DATE: 12.01.20  
CERT. NO.: SH92-43  
ISSUE NO.: 5

DESIGN		<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN			
CHECKED		DRAWING NO.	REV. B
MFG. APPR.	N/A	DSI 9548	SHEET 8 OF 8
APPROVED		TITLE	SCALE
DE APPR.		HINGE DOOR OPENER KIT	NTS
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